DOCUMENT MODIFICATION REQUEST (DMR)

				DOCUME	NT MODIFICA	TION REQUEST (DMR) Page	1 of 21
Refer to 1-A01-PPG-00 TO Refer to 1-A01-PPG-00						1. Date October 11, 1995	25. 5 DMR. No. 98-DMR	بارج بساحت المساحد
ng Document Number/Revision U-OPS-GT.6/Rev. 2						3. New Document Number or Document Number if it is to be changed with this Revision N/A		
		Phone/Page/I /5904/T893E				5. Document Title: Monitor	ring Well and Piezometer Installa	ation
6. Docume	ent Type X	Procedure		7. Document Modification Type (Check only one) □ New □ Revision ★ Intent Change ☑ Nonintent Change □ Editorial Correction □ Cancellation				
8. Item	9. Page	10. Step	Ī	11. Proposed Modifications				
2			blank casing as		continue raising the ground lev	e riser of monitoring wells or piezom rel elevation (see schematic diagram		
3								
2. Justific	ation (Rea	son for Modi	fication, EJO#, T	P#, etc.)				
Extension	of methane	wells in the	Present Landfill (OU7) require raisin	g of the well casing and outer	protective casing to allow landfilling	operations to continue.	
			r a revision, list conc and dates in Block		lock 13, and enter N/A in Blocks 1	4 and 15. If modification is for any type of	change or a cancellation, organization	is are listed in Block 13, then
3. Organization		14. Print and Sign (if applicable)						15. Date (if applicable)
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17. Assigned SME/Phone/Page/Location Mark R. Wood/6689/5904/T893B				,	18. Cost Center 0203	19. Charge Number 95112600	20. Requested Completion Date October 12, 1995	21. Effective Date October 12, 1995
Yes 🗆			23 ORC Review:	Not Required				
4. Kespons Susan Evan		(print/sign/de	Gunt !	7	10/11/95			
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DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

BY NA DATE NA

MONITORING WELL AND PIEZOMETER INSTALLATION

EG&G ROCKY FLATS PLANT EMD MANUAL OPERATION SOP

Manual: Procedure No.:

5-21000-OPS GT.6, Rev. 2

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1.0, Kev. 2 15 of 18

Effective Date:

06/01/94

Category 2

Organization:

Environmental Management

or by circulating RFP potable water down through the casing. After reaching the selected depth, a sand bailer will be used to remove any accumulated fluids until the borehole is bailed clear or until fluids are relatively clear and free of sediment. The well assembly will then be advanced through the casing to the designated depth and the annulus between the casing and the well assembly will be used to tremie well materials. The well will be installed as per the alluvial wells installed through augers except that the casing will be used instead of augers.

6.3.2.3 Well Features at Ground Surface

Figure GT.6-3 shows a schematic diagram of well features at the ground surface. A 5-foot-long protective steel casing with a hinged and locking steel cap will be installed over the monitoring well riser that projects above the ground surface between 24 and 72 hours after initial grout placement, except when temperatures are below freezing. A shorter length protective steel casing (no less than 3-foot long) may be used when shallow screens are required. The protective casing will have a minimum 8-inch I.D. for 4-inch wells and a minimum 6-inch I.D. for 2-inch wells. The well designation will be welded on the protective casing. The bottom of the protective casing will be embedded 2 to 3 feet below the ground surface in concrete or cement grout. Prior to installing the protective casing, the well will be checked for alignment by lowering a 5-foot long, 1 1/2-inch diameter bailer down the entire depth of the well. If the bailer hangs up, the EG&G project manager will decide whether or not the well needs to be reconstructed.

95-001-000741

In landfill areas, both the inner casing and outer protective casing shall be extended by means of attaching blank casing (also known as a riser) such that the top of the outer protective casing shall be about three feet above the new ground level. The top of the riser of monitoring wells or piezometers shall have threads to allow for subsequent additions of new blank casing as landfill operations continue raising the ground level elevation (see schematic diagram GT.6-4). Riser extensions for methane wells shall be constructed as shown on the schematic diagram GT.6-4B.